

structural component from a cold strip which comprises ageing-sensitive steel with a high bake-hardening potential, characterized in that

- the cold strip is converted by temper rolling to a yield point elongation-free state in which the condition $R_{th} - R_{el} < 2 \text{ N/mm}^2$ is met,
- the cold strip is then stored to storage temperature below room temperature for a storage period whose length is at most equal to the length of the period at whose end the value of critical ageing is reached which results in dependence on the particular storage temperature,
- to storage the cold strip is cold worked to give a structural component, and
- the structural component is stove-finished.--

--3. (Twice Amended) A process for the production of a buckling-resistant stove-finished structural component from a cold strip which comprises ageing-sensitive steel with a high bake-hardening potential,

characterised in that

- the cold strip is stored undressed for a storage period at room temperature, following the storage period the cold strip is converted by temper rolling to a state in which the condition $R_{th} - R_{el} < 2 \text{ N/mm}^2$ is met,
- the temper rolled cold strip is then cold worked to give a structural component, and
- the structural member is stove-finished.--

Please insert the following new claims:

- 4. (New) The process according to claim 1 wherein said bake-hardening potential is at